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WHAT IS CLAIMED IS:

- A method for preparing a grain based product bran, comprising:
 Treating bran derived having a native ferulic acid concentration with ozone
 to produce treated bran having a reduced ferulic acid finished concentration.
 - 2. The method of claim 1, additionally comprising the step of:

 Acidifying bran with an edible acidulant in amounts sufficient to reduce the pH of the bran to about 4-6 to form acidified bran prior to treating with ozone.
 - 3. The method of claim 2 wherein the finished ferulic concentration of the treated bran is less than 50% of the native concentration of the bran.
- 4. The method of claim 3 wherein the bran has a native concentration ofvanillin and wherein the treated bran has an elevated finished concentration of vanillin.
 - 5. The method of claim 3 wherein the finished concentration of vanillin as at least twice the native concentration of vanillin.
 - 6. The method of claim 2 wherein the bran is derived from a member selected from the group consisting of barley, corn (maize), oats, rice, rye, soybeans, wheat, and mixtures thereof.
- 25 7. The method of claim 6 wherein the bran is wheat bran.
 - 8. The method of claim 7 wherein the bran is red wheat bran.
- 9. The method of claim 1 wherein the bran in dry powder form having an average particle size of about 100 microns.
 - 10. The method of claim 1 further comprising:

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Prior to acidifying, treating the bran with a chelating agent to remove transition metals to produce treated bran; and

Blanching the treated bran to inactivate catalase and peroxidase enzymatic systems to produce blanched bran.

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- 11. The method of claim 10 wherein the bran is treated with the chelating agent for about one (1) to 15 minutes at a temperature of about 70 to 90°C.
- 12. The method of claim 10 wherein the chelating agent is selected from the group consisting of orthophosphate, metaphosphate, pyrophosphate, polyphosphate, calcium ethylene diamine tetra acetic acid ("EDTA") and sodium EDTA.
 - 13. The method of claim 12 wherein the chelating agent is calcium EDTA or sodium EDTA in a concentration of between about 0.02 and 0.1%.

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14. The method of claim 10 wherein the blanching step is performed at a temperature of between about 75 to 85°C for about three (3) to ten (10) minutes, further wherein residual enzyme activity is below about 10 CIU/g bran following the blanching step.

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The method of claim 10 further comprising:Washing and rinsing the bran to produce wet bran;

Filtering the wet bran to produce filtered wet bran;

Treating the filtered wet bran with catalase to remove residual hydrogen peroxide to produce treated filtered wet bran; and

Drying the treated filtered wet bran to produce dried treated bran having a moisture content ranging from about 6% to 15%.

16. The method of claim 2 wherein the acidifying agent comprises a mineral acid.

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- 17. The method of claim 2 wherein the acidifying agent comprises an edible organic acid.
- 18. The method of claim 2 wherein the bran is in powder form and has a moisture content ranging from about 6% to about 15%.
 - 19. The method of claim 18 wherein the treatment step comprises contacting about 100 parts acidified bran with about 0.1 to 1 parts ozone.
- 10 20. The method of claim 1 wherein the bran is pure bran.
 - 21. The method of claim 2 wherein the bran is admixed with flour.
- 22. The method of claim 17 wherein the edible organic acid is dissolved in water.
 - 23. The method of claim 19 wherein the ozone treatment is practiced at atmospheric pressure.
- 20 24. The method of claim 20 additionally comprising the step of:

 Blending the treated bran with flour to form a whole wheat flour comprising treated bran.
- The method of claim 24 additionally comprising the step of:
 Forming a dry mix for baked goods by admixing the whole wheat flour comprising treated bran with dry mix ingredients.
 - 26. The method of claim 24 wherein all the flour in the dry mix is supplied by the whole-wheat flour comprising the treated bran.
 - 27. The method of claim 24 additionally comprising the steps of:

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Combining the whole wheat comprising treated bran with cereal ingredients to form a cereal blend;

Cooking the cereal blend to form a cooked cereal dough; Forming the cooked cereal dough into dried finished cereal pieces.

- 28. The method of claim 27 wherein the finished cereal pieces are puffed.
- 29. The method of claim 28 wherein the puffed cereal pieces are deep fat fried.
- 10 30. The method of claim 27 wherein the bran is wheat bran.
 - 31. The method of claim 30 wherein at least a portion of the wheat bran is red wheat bran.
- 15 32. The method of claim 30 wherein the dried finished cereal pieces are flakes.
 - 33. The product prepared by the method of claim 1.
 - 34. The product prepared by the method of claim 2.
 - 35. The product prepared by the method of claim 4.
 - 36. The product prepared by the method of claim 1 having an antioxidant activity about 15 to 35% higher than native bran.
 - 37. The product prepared by the method of claim 10.
 - 38. The product prepared according to the process of claim 11.
- 30 39. The product prepared according to the process of claim 18.

- 40. The product prepared according to the process of claim 21 wherein about five (5)% treated bran, by weight, is added to the whole wheat flour.
- 41. A grain product, comprising cereal bran having a ferulic acid concentration of less than 30 ppm.
 - 42. The grain product of claim 41 having a pH ranging from about 4-6.
- 43. The grain product of claim 42 having a moisture content ranging from about 10 10% to 15% prepared from soft white wheat or hard white wheat.
 - 44. The grain product of claim 43 prepared from light bran.
 - 45. The whole-wheat flour of claim 40 having a pH of about 6.3 to 6.7.
 - 46. The grain product of claim 41 in the form of a finished baked good.
 - 47. The whole-wheat flour of claim 31 admixed with sugar, salt, and leavening.
- 20 48. The treated bran product of claim 41 wherein the product is added to foods selected from the group consisting of dry mixes, ready-to-eat cereals and soy.